

IN THE CLAIMS:

1. (Currently Amended) A magnetic device, comprising:

a magnetic core; and

a springable winding having a terminus and a longitudinal axis wherein said springability is rotational and tending to rotate said terminus around said longitudinal axis, said springable winding positioned about at least a portion of said magnetic core and ~~biased to unwind said springability further biasing~~ said terminus to bear against an underside of said magnetic core.

2. (Previously Amended) The magnetic device as recited in Claim 1 wherein said terminus is configured to be interposed said underside and a printed circuit board.

3. (Original) The magnetic device as recited in Claim 1 wherein said springable winding comprises a material having a spring constant ranging from about 750 to about 2000 grams/inch.

4. (Previously Amended) The magnetic device as recited in Claim 1 wherein said magnetic core comprises an integrally formed pedestal extending from said underside of said magnetic core, said pedestal having a height substantially equal to a thickness of said terminus.

5. (Previously Amended) The magnetic device as recited in Claim 1 wherein said magnetic core comprises a ferromagnetic material having a composition selected from a group consisting of:

cobalt-iron,
manganese-zinc,
nickel-iron, and
amorphous nickel-phosphide.

6. (Previously Amended) The magnetic device as recited in Claim 1 wherein said springable winding comprises a substantially-planar wire having a dielectric about said substantially-planar wire.

7. (Original) The magnetic device as recited in Claim 1 wherein said magnetic core and said springable winding are substantially free of an encapsulant.

8. (Previously Amended) The magnetic device as recited in Claim 1 wherein said magnetic device is selected from a group consisting of:

an inductor,
a coupled inductor, and
a transformer.

9. (Original) The magnetic device as recited in Claim 1 wherein said magnetic core comprises first and second core halves.

10. (Original) The magnetic device as recited in Claim 1 wherein at least a portion of said magnetic core has an aspect ratio of at least 1.6:1.

Claims 11-20 were previously canceled.

21. (Currently Amended) A magnetic device, comprising:

a magnetic core including a first magnetic E-core half having a central body and parallel legs, said first magnetic E-core half having a convex profile on a bottom surface thereof, said convex profile forming a central pedestal and a relieved undersurface on peripheral legs of said magnetic core half; and

a springable winding having a terminus and a longitudinal axis wherein said springability is rotational and tending to rotate said terminus around said longitudinal axis, said springable winding positioned about at least a portion of said first magnetic core half and having a terminus, ~~said springable winding biased to unwind~~ said springability further biasing said terminus to bear against said bottom surface.

22. (Previously Presented) The magnetic device as recited in Claim 21 wherein said springable winding comprises at least one terminus.

23. (Previously Amended) The magnetic device as recited in Claim 21 wherein said convex profile comprises a pedestal located on said bottom surface.

24. (Previously Presented) The magnetic device as recited in Claim 21 wherein said magnetic core half comprises a concave surface on a surface opposite said bottom surface.

25. (Previously Presented) The magnetic device as recited in Claim 21 wherein said magnetic core half comprises outer legs and a center leg.

26. (Previously Presented) The magnetic device as recited in Claim 25 wherein said springable winding is positioned about said center leg of said magnetic core half.

27. (Previously Presented) The magnetic device as recited in Claim 21 wherein said magnetic device is located proximate an aperture of a substrate.

28. (Previously Amended) The magnetic device as recited in Claim 21 wherein said springable winding comprises a substantially planar wire having a dielectric thereabout.

29. (Previously Amended) The magnetic device as recited in Claim 21 wherein said magnetic core comprises a second magnetic core half, said springable winding positioned about at least a portion of said second magnetic core half.

30. (Previously Amended) The magnetic device as recited in Claim 29 further comprising another springable winding positioned about a portion of said first magnetic core half and said second magnetic core half.